

# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/SG2005/000043**

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int. Cl. <sup>7</sup> : H01L 27/146, G01J 3/46 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI and JAPIO: (H01L or G01J) and ((COLOUR or SPECTRUM or WAVELENGTH or FREQUENCY) with (SENSOR or DETECTOR or MONITOR)) and PN JUNCTION and (PHOTO+ or (THREE OR THIRD))		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 006 585 A (HEWLETT-PACKARD COMPANY) 7 June 2000 See abstract and fig 2.	1-6,19,20,22, 27,28,32-41
X	US 5 965 875 A (MERRILL) 12 October 1999 See abstract, claim 1, col 5 line 1-30	1-7,10-12, 19-22,24-28, 32-41
A	US 5 113 076 A (SCHULTE) 12 May 1992 See claims.	
A	US 4 318 115 A (YOSHIKAWA et al) 2 March 1982 See abstract and col 8 line 34 to end.	
X	Patent Abstracts of Japan, JP 07-038136 A (SONY CORP) 7 February 1995	1,3-6,10-12, 19,32-41
X	Derwent Abstract Accession No. 92-267295/32, Class S03 SU 1 689 768 A (PRIVEZENTSEV V V) 7 November 1991	1,3-6,10-12, 19,32-41
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search <b>8 April 2005</b>		Date of mailing of the international search report <b>04 MAY 2005</b>
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  <b>S. T. PRING</b> Telephone No : (02) 6283 2210

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Information on patent family members

PCT/SG2005/000043

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
EP	1 006 585	JP	2000/174324
US	5 965 875	US	6 111 300
		CN	1 298 483
		US	6 606 120
		WO	2000/062350
US	5 113 076	EP	1 078 233
US	4 318 115	US	2003/169359
		WO	1999/056097
		JP	11/295145
		NL	91/00637
		JP	55/016494
		JP	55/019833
		JP	55/046557
JP	07-038136		
SU	1 689768	NONE	
		NONE	

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX